

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which woody raw material is used for the manufacture of paper pulp	A. Cotton B. Bagasse C. Poplar D. Rice straw
2	The rate of reaction :	A. Remain same as reaction proceeds. B. May decrease or increase as reaction proceeds . C. Increase as reaction proceeds. D. Decreases as reaction proceeds.
3	Potassium hexacyanoferrate (II) has the formula	A. $K_4[Fe(CN)_6]$ B. $K_3[Fe(CN)_6]$ C. $K_2[Fe(CN)_6]$ D. $K[Fe(CN)_6]$
4	Which of the statement is contrary to the first law of thermodynamics	A. Energy can neither be created nor destroyed B. One form of energy can be transferred into an equivalent amount of other kinds of energy C. In an adiabatic process the work done is independent of its path D. Continuous production of mechanical work without supplying an equivalent amount of heat is possible
5	Ethylene decolorizes cold dilute solution of $KMnO_4$. This test is known as	A. Colouration test B. Baeyer's test C. Silver mirror test D. Ring test
6	Contamination of Hg comes into surface water from chlor industrial wastes. Why is Hg toxic	A. It attaches to sulphur of the disulphide link B. Hg is a heavy metal C. Hg is liquid at room temperature D. Hg is non reactive chemically
7	The relative abundance of Pb isotopes is 1.5% Pb^{204} , 23.6% Pb^{206} , 22.6% Pb^{207} , 52.3% Pb^{208} The relative atomic mass of Pb is	A. 207.94 B. 208.24 C. 206.94 D. 207.24
8	Question Image <input style="width: 150px; height: 15px;" type="text"/>	A. Increases B. Decreases C. Remains same D. Cannot be predicted
9	The atom of an element is	A. The smallest particle B. The fundamental particle C. The independent particle D. The charged particle
10	The use of tetra ethyl lead in petrol as an efficient antiknock agent is being discouraged. Which reason is correct	A. It is costly B. It damages the engine C. Pb is difficult to obtain in bulk quantities D. The combustion product, lead, causes air pollutions
11	During nitration of benzene, the active nitrating agent is:	A. NO_3^{+} B. NO_2^{+} C. NO_2^{+} D. HNO_3
12	The IA elements are called	A. Alkaline earth metal B. Alkaline metals C. The halogens D. The inert gases
		A. The value of K_p falls with rise in temperature

13	Question Image	<p>B. The value of K_p falls with increasing pressure</p> <p>C. Addition of V_2O_5 catalyst increase the concentration of SO_3</p> <p>D. The value of K_p is equal to K_c</p>
14	Phosphorus belongs to a group	<p>A. III-A</p> <p>B. IV-A</p> <p>C. V-A</p> <p>D. VI-A</p>
15	Soil remediation means	<p>A. To make it suitable for cultivation of crops</p> <p>B. To make it acidic</p> <p>C. To make it alkaline</p> <p>D. To add manure into it</p>
16	The quantitative relationship between the substances according to balanced equation describes	<p>A. Reversible reactions</p> <p>B. Stoichiometry</p> <p>C. Limiting reacting</p> <p>D. Percentage composition</p>
17	In the expression rate = $K [A]^a [B]^b$ K is	<p>A. The order of reaction</p> <p>B. The speed of reaction</p> <p>C. The specific rate constant</p> <p>D. The overall order of reaction</p>
18	Which reagent could be used to distinguish between $CH_3CH(OH)CH_2CHO$ and $CH_3COCH_2CH_2OH$	<p>A. Acidified potassium dichromate</p> <p>B. Dilute sulphuric acid</p> <p>C. 2,4-dinitrophenylhydrazine</p> <p>D. Fehling's reagent</p>
19	pK_b value of NH_4OH is 4.74. If the concentration of NH_4OH is 1 molar containing 0.1 molar NH_4Cl , then pH of this buffer will be	<p>A. 3.74</p> <p>B. 10.26</p> <p>C. 4.74</p> <p>D. 9.26</p>
20	In Lucas test tertiary alcohol make an oily layer	<p>A. Immediately</p> <p>B. In 10 mins</p> <p>C. On heating</p> <p>D. Not</p>